

WASTEWATER DIVISION of PUBLIC WORKS DEPARTMENT

DEPARTMENT DESCRIPTION

The Wastewater Division conveys domestic sewage to the Wastewater Reclamation Plant (WRP) through a wastewater collection system of over 500,000 feet of sewer pipes and 15 pump/lift stations. The wastewater receives tertiary treatment at the WRP and is disinfected with UV light. The reclaimed effluent is reintroduced into the Verde Valley watershed for beneficial reuse via an irrigation system on City property. The biosolids are transported to the Grey Wolf Landfill for final disposal.

MISSION STATEMENT

The mission of the Public Works Department Wastewater Division of the City of Sedona, with public health and safety being of the highest priority, is to provide professional and efficient maintenance and operation of the wastewater system, which includes facilities for collection, transport, treatment and disposal of wastewater related flows, in a manner which takes into account the requirements of the Arizona Department of Environmental Quality; and the direction of the City Manager, the City Council, the Public Works Director; and the desires of the citizens of Sedona, as well as the professional standards governing wastewater system operations.

Did You Know?

- ❖ The State-Certified Wastewater staff are on-call 24-hours a day, seven days a week to respond to emergencies in the collection and treatment system. Call 911 for after-hours emergencies.
- ❖ The Wastewater Reclamation Plant has 27 acres of wetlands and marshes that provide an attractive habitat for a wide variety of animals.
- ❖ The Plant received and treated 418 million gallons of wastewater in 2008.
- ❖ 260,000 gallons of septage waste was received from septic systems within the City of Sedona.
- ❖ 1461 tons of biosolids were landfilled at the Gray Wolf Landfill.

SIGNIFICANT CHANGES

New SCADA control software and programming improvements have results in automated controls of many of the reclamation plant processes, in improved recordkeeping and statistical information, and in improved alarm systems.

2009-2010 OBJECTIVES

- ✓ A program has been implemented to upgrade the biosolids handling facilities with the short term goal of providing adequate treatment capacity and the long term goal of upgrading to produce biosolids that can be put to beneficial use and reduce energy and chemical consumption.
- ✓ Evaluate options for reclaimed water

management to improve sustainability.

- ✓ Complete reservoir berm restoration and vegetation management program.
- ✓ Substantially complete upgrade of the City's three major pump stations.

2008-2009 ACCOMPLISHMENTS

- ✓ In 2009, the sewer cleaning and closed circuit TV inspection was completed for all of the sewered portions of the City. This cleaning and inspection has allowed the Department to prepare a prioritized repair and upgrade program for sewer lines and manholes.
- ✓ Installation of a biofilter unit at SR 89A and Upper Red Rock Loop was completed to resolve the odor problem that had existed in that area.
- ✓ Enclosure of the centrifuge building has resulted in energy and chemical usage reductions.

City of Sedona
Budget Summary by Department

| BUDGET BY PROGRAM | FY 2007-08 Actual | FY 2008-09 Budget | FY 2008-09 Estimate | FY 2009-10 Budget | Percent Over Last Year |
|------------------------------|----------------------|----------------------|------------------------|----------------------|---------------------------|
| Administration - plant | \$ 557,029 | \$ 724,117 | \$ 182,697 | \$ 189,347 | |
| Administration - city hall | \$ - | \$ - | \$ 393,491 | \$ 417,770 | |
| Total - Plant Administration | \$ 557,029 | \$ 724,117 | \$ 576,188 | \$ 607,117 | -16% |

| BUDGET BY CATEGORIES OF EXPENDITURES | FY 2007-08 Actual | FY 2008-09 Budget | FY 2008-09 Estimate | FY 2009-10 Budget | Percent Over Last Year |
|---|----------------------|----------------------|------------------------|----------------------|---------------------------|
| Wages/Salaries/Benefits | \$ 434,303 | \$ 531,946 | \$ 454,218 | \$ 451,424 | |
| Administrative Cost | \$ 115,180 | \$ 191,046 | \$ 121,970 | \$ 130,693 | |
| Assets | \$ 7,547 | \$ 1,125 | \$ - | \$ 25,000 | |
| Total - Plant Administration | \$ 557,029 | \$ 724,117 | \$ 576,188 | \$ 607,117 | -16% |

| STAFFING BY PROGRAM | FY 2007-08 | FY 2008-09 | FY 2008-09 | FY 2009-10 | Percent Over Last Year |
|------------------------------|------------|------------|------------|------------|---------------------------|
| Administration - plant | 2.40 | 2.40 | 2.40 | 2.40 | |
| Administration - city hall | 7.05 | 7.30 | 7.30 | 7.30 | |
| Total - Plant Administration | 9.45 | 9.70 | 9.70 | 9.70 | |

CITY OF SEDONA

EXPENDITURE ANALYSIS

| | BUDGETED | ACTUAL | BUDGETED | ACTUAL | BUDGETED | APPROVED |
|---------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Wastewater Administrative | 2006-07 | 2006-07 | 2007-08 | 2007-08 | 2008-09 | 2009-2010 |
| Salary/Wages | 290,326 | 288,811 | 333,418 | 316,590 | 388,597 | 330,727 |
| Overtime | 2,212 | 1,564 | 2,267 | 1,938 | 2,706 | 2,347 |
| Temp/Part-Time Wages | - | - | - | 3,458 | - | - |
| Direct Payroll Costs | 22,379 | 20,509 | 25,680 | 24,845 | 29,935 | 25,480 |
| Retirement | 24,028 | 21,659 | 29,313 | 28,569 | 35,022 | 30,656 |
| STD/LTD Insurance | 2,370 | 1,946 | 2,689 | 2,826 | 3,085 | 2,483 |
| Health/Dental/Life Insurance | 63,061 | 46,806 | 48,199 | 47,738 | 57,623 | 48,778 |
| Workers Compensation | 2,821 | 2,947 | 4,705 | 3,976 | 5,160 | 4,141 |
| Flex Leave Reimbursement | 4,207 | - | 5,601 | - | 4,658 | (0) |
| Employee Benefits | 1,800 | 3,896 | 4,380 | 4,364 | 5,160 | 6,812 |
| SUB-TOTAL SALARIES & WAGES | \$ 413,204 | \$ 388,138 | \$ 456,252 | \$ 434,303 | \$ 531,946 | \$ 451,424 |

| | | | | | | |
|---|------------------|------------------|-------------------|-------------------|-------------------|-------------------|
| Employee Exams | - | - | 65 | - | 65 | 65 |
| Uniforms | - | - | 114 | - | 100 | - |
| Training/Staff Development | 3,900 | 2,587 | 5,780 | 7,202 | 6,080 | - |
| Professional Services | 10,800 | 14,366 | 12,800 | 11,015 | 12,800 | 12,800 |
| Advertising | 500 | 1,736 | 500 | 112 | 225 | 225 |
| Subscriptions/Dues/Licenses | 210 | 334 | 280 | 169 | 210 | 210 |
| Telephone | 7,494 | 7,718 | 8,010 | 7,763 | 9,130 | 4,610 |
| Service Charges | - | - | - | 1,751 | 10,000 | 17,000 |
| Permit Fees | 14,830 | 15,794 | 15,830 | 18,413 | 17,466 | 17,466 |
| Printing /Office Supplies/Photographic | 2,000 | 3,762 | 3,220 | 6,213 | 5,300 | 6,100 |
| Postage | 20,975 | 17,568 | 22,975 | 21,646 | 24,975 | 24,975 |
| System Maintenance | - | - | - | - | 500 | 500 |
| Office Maintenance | 500 | 386 | 2,800 | 2,879 | 2,800 | 2,825 |
| Lease Purchase | - | - | 7,000 | - | 3,600 | 3,600 |
| Software Maintenance | 4,000 | 7,469 | 4,000 | 3,893 | 4,150 | 5,000 |
| Vehicle Expense | 1,000 | 170 | 1,000 | 595 | 1,000 | 1,000 |
| General Legal Expenses | - | 3,885 | - | 1,412 | - | - |
| Recording/TAT fees | 500 | 177 | 350 | 384 | 250 | 300 |
| Audit | 15,750 | 15,683 | 16,500 | 16,500 | 16,500 | 16,500 |
| Contingency | - | - | - | - | - | - |
| Maintenance/Janitorial | 2,400 | 3,125 | 12,680 | 5,377 | 62,670 | 7,442 |
| Utilities | 1,500 | - | 1,500 | 1,500 | 1,500 | 1,500 |
| Water Conservation | 1,500 | 400 | 1,000 | - | 1,000 | 1,000 |
| Property & Casualty Insurance | 6,613 | - | 6,800 | 6,800 | 6,800 | 6,800 |
| Gasoline & Diesel | 600 | 623 | 600 | 570 | 600 | 600 |
| Office Furniture - Non Capital | - | - | 1,650 | 92 | 3,150 | - |
| Office Equipment - Non Capital | - | 1,107 | - | 487 | - | - |
| Computer Hardware - Non Capital | - | 109 | - | - | - | - |
| Computer Software-Non Capital | 1,000 | - | - | - | - | - |
| Radio & Phone - Non Capital | 1,800 | 115 | - | 408 | - | - |
| Safety Supplies | 175 | 211 | 175 | - | 175 | 175 |
| Depreciation | - | - | - | - | - | - |
| SUBTOTAL ADMINISTRATIVE EXPENDITURES | \$ 98,047 | \$ 97,324 | \$ 125,629 | \$ 115,180 | \$ 191,046 | \$ 130,693 |

| | | | | | | |
|-------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Office Furniture | - | - | - | - | - | - |
| Office Equipment | - | - | 3,000 | - | - | - |
| Computer Hardware | 20,200 | 20,800 | 8,750 | 4,866 | 750 | - |
| Computer Software | - | - | 3,125 | 2,681 | 375 | 25,000 |
| Vehicle | - | - | - | - | - | - |
| SUB-TOTAL ASSETS | \$ 20,200 | \$ 20,800 | \$ 14,875 | \$ 7,547 | \$ 1,125 | \$ 25,000 |
| GRAND TOTAL | \$ 531,451 | \$ 506,261 | \$ 596,756 | \$ 557,029 | \$ 724,117 | \$ 607,117 |

City of Sedona
Budget Summary by Department

| BUDGET BY PROGRAM | FY 2007-08 Actual | FY 2008-09 Budget | FY 2008-09 Estimate | FY 2009-10 Budget | Percent Over Last Year |
|--------------------------|----------------------|----------------------|------------------------|----------------------|---------------------------|
| Plant Operations | \$ 815,055 | \$ 1,056,683 | \$ 1,085,611 | \$ 1,088,688 | |
| Collection Systems | \$ 930,600 | \$ 1,415,150 | \$ 1,152,974 | \$ 1,160,066 | |
| Lab | \$ 107,386 | \$ 130,240 | \$ 126,777 | \$ 127,636 | |
| Total - Plant Operations | \$ 1,853,041 | \$ 2,602,073 | \$ 2,365,362 | \$ 2,376,389 | -9% |

| BUDGET BY CATEGORIES OF EXPENDITURES | FY 2007-08 Actual | FY 2008-09 Budget | FY 2008-09 Estimate | FY 2009-10 Budget | Percent Over Last Year |
|---|----------------------|----------------------|------------------------|----------------------|---------------------------|
| Wages/Salaries/Benefits | \$ 599,260 | \$ 672,836 | \$ 599,034 | \$ 657,777 | |
| Administrative Cost | \$ 1,253,629 | \$ 1,916,737 | \$ 1,749,828 | \$ 1,662,112 | |
| Assets | \$ 152 | \$ 12,500 | \$ 16,500 | \$ 56,500 | |
| Total - Plant Operations | \$ 1,853,041 | \$ 2,602,073 | \$ 2,365,362 | \$ 2,376,389 | -9% |

| STAFFING BY PROGRAM | FY 2007-08 | FY 2008-09 | FY 2008-09 | FY 2009-10 | Percent Over Last Year |
|--------------------------|------------|------------|------------|------------|---------------------------|
| Plant Operations | 4.30 | 4.30 | 4.30 | 4.30 | |
| Collection Systems | 4.00 | 4.00 | 4.00 | 4.00 | |
| LAB | 1.20 | 1.20 | 1.20 | 1.20 | |
| Total - Plant Operations | 9.50 | 9.50 | 9.50 | 9.50 | |

CITY OF SEDONA

EXPENDITURE ANALYSIS

| | BUDGETED | ACTUAL | BUDGETED | ACTUAL | BUDGETED | APPROVED |
|---------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Wastewater Plant | 2006-07 | 2006-07 | 2007-08 | 2007-08 | 2008-09 | 2009-2010 |
| Salary/Wages | 379,547 | 370,286 | 409,398 | 401,164 | 429,339 | 429,108 |
| Overtime | 39,619 | 19,965 | 44,286 | 30,323 | 46,443 | 44,966 |
| Temp/Part-Time Wages | - | - | - | - | - | - |
| Direct Payroll Costs | 32,066 | 27,190 | 34,707 | 31,347 | 36,397 | 36,267 |
| Retirement | 36,048 | 31,417 | 41,285 | 38,533 | 42,582 | 42,667 |
| STD/LTD Insurance | 3,654 | 3,128 | 4,048 | 3,949 | 4,380 | 4,083 |
| Health/Dental/Life Insurance | 102,368 | 84,692 | 92,122 | 77,815 | 86,979 | 82,730 |
| Workers Compensation | 16,693 | 14,853 | 20,390 | 16,129 | 21,383 | 17,958 |
| Flex Leave Reimbursement | 5,500 | - | 5,934 | - | 5,333 | 0 |
| Employee Benefits | - | - | - | - | - | - |
| SUB-TOTAL SALARIES & WAGES | \$ 615,495 | \$ 551,532 | \$ 652,170 | \$ 599,260 | \$ 672,836 | \$ 657,777 |

| | | | | | | |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Employee Exams | 731 | - | 670 | 100 | 805 | 805 |
| Uniform Allowance | 4,163 | 3,595 | 4,563 | 7,020 | 6,930 | 6,480 |
| Training/Staff Development | 11,540 | 5,403 | 15,790 | 11,751 | 14,500 | - |
| Professional Services | 253,330 | 59,523 | 12,230 | 25,263 | 17,230 | 43,670 |
| Tech Support | 13,000 | 1,050 | 13,000 | 19,295 | 23,000 | 23,000 |
| Advertising | - | - | 800 | 126 | 400 | - |
| Subscriptions/Dues/Licenses | 1,394 | 460 | 2,504 | 1,511 | 2,465 | 2,200 |
| Telephone | 6,348 | 7,106 | 7,200 | 11,944 | 14,190 | 13,990 |
| Permit Fees | 3,000 | 1,595 | 9,400 | 2,187 | 2,200 | 2,200 |
| Printing/Office Supplies/Photographic | 700 | 2,304 | 1,000 | 1,429 | 1,460 | 1,460 |
| Postage & Delivery | 1,850 | 1,381 | 1,850 | 742 | 1,400 | 1,400 |
| Office Maintenance | - | 34 | - | - | - | - |
| Equipment & Other Rentals | 500 | 2,672 | 8,000 | 7,610 | 8,000 | 6,000 |
| Equipment Repair | 171,000 | 98,287 | 161,000 | 54,417 | 250,000 | 250,000 |
| Software Maintenance | 3,500 | 4,073 | 3,500 | - | 8,000 | 8,475 |
| Vehicle Expenses | 12,000 | 21,821 | 12,000 | 23,538 | 16,000 | 14,000 |
| Spendable Contingency | - | - | - | - | 24,000 | - |
| Maintenance & Improvements | 4,948 | 11,813 | 11,280 | 9,998 | 11,800 | - |
| Janitorial Supplies | - | - | - | - | - | 900 |
| Utilities | 289,000 | 296,378 | 314,500 | 354,463 | 401,300 | 404,550 |
| Gasoline & Diesel | 11,000 | 16,934 | 35,100 | 18,506 | 24,100 | 25,305 |
| Solid Waste | 113,368 | 100,942 | 121,168 | 147,135 | 145,192 | 141,902 |
| Septic Maintenance | 10,000 | 20,355 | 15,000 | 12,930 | 18,000 | 18,900 |
| Replacement & Extension | - | - | - | - | - | - |
| Sewer System Maintenance/Repair | 465,000 | 123,332 | 895,968 | 375,272 | 676,300 | 459,300 |
| Plant Maintenance/Repairs | 85,000 | 101,670 | 74,872 | 49,746 | 102,040 | 104,500 |
| Offic Furniture - Non Capital | - | - | 300 | 521 | - | - |
| Computer Hardware - Non Capital | - | - | - | 781 | - | 500 |
| Computer Software - Non Capital | - | - | - | 5,580 | 4,800 | - |
| Machinery & Equipment - Non Capital | 3,230 | 3,297 | 7,200 | 1,045 | 6,000 | - |
| Radio & Phone - Non Capital | 6,600 | 928 | - | 1,144 | - | 450 |
| Safety Supplies | 20,013 | 42,128 | 15,975 | 20,619 | 12,775 | 14,975 |
| Oil & Lubricants | 5,000 | 2,127 | 5,750 | 975 | 5,750 | 4,750 |
| Wastewater Supplies | 102,800 | 86,051 | 119,931 | 87,983 | 118,100 | 112,400 |
| SUBTOTAL TREATMENT PLANT EXPENDITURES | \$ 1,599,015 | \$ 1,015,259 | \$ 1,870,551 | \$ 1,253,629 | \$ 1,916,737 | \$ 1,662,112 |

| | | | | | | |
|-------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Office Furniture | - | - | - | - | - | - |
| Computer Hardware | - | 3,433 | - | 83 | - | - |
| Machinery & Equipment | - | - | - | - | 12,500 | 24,000 |
| Radio | - | - | - | - | - | - |
| Telephone Equipment | - | - | - | - | - | - |
| Motor Vehicle | - | 7,510 | - | 68 | - | 32,500 |
| | - | - | - | - | - | - |
| SUB-TOTAL ASSETS | \$ - | \$ 10,943 | \$ - | \$ 152 | \$ 12,500 | \$ 56,500 |
| GRAND TOTAL | \$ 2,214,510 | \$ 1,577,734 | \$ 2,522,721 | \$ 1,853,041 | \$ 2,602,073 | \$ 2,376,389 |

CITY OF SEDONA

EXPENDITURE ANALYSIS

| | BUDGETED | ACTUAL | BUDGETED | ACTUAL | BUDGETED | APPROVED |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wastewater Debt Service | 2006-07 | 2006-07 | 2007-08 | 2007-08 | 2008-09 | 2009-2010 |
| | | | | | | |
| SUB-TOTAL SALARIES & WAGES | | | | | | |
| Series 2007 (NEW) | - | - | 142,235 | 1,362,746 | 1,529,756 | 1,528,756 |
| Series 1997 (State Rev Fund/WIFA) | 121,161 | 121,161 | 121,161 | 121,161 | 121,161 | 121,161 |
| C.O.P. Series 1994/Refinance 2002 | 288,678 | 288,678 | 289,678 | 289,678 | 290,278 | 289,865 |
| Series 1998 (Borrowing) | 641,223 | 630,435 | 652,990 | 652,990 | 438,663 | 438,663 |
| Bond Debt Service 1992/Refinance 2004 | 2,392,250 | 2,391,267 | 2,383,000 | 2,383,000 | 2,389,750 | 2,386,500 |
| Refinance Second Series 2004 | 860,490 | 860,336 | 859,086 | 859,086 | 860,781 | 664,850 |
| Refinance Series 2005 (1998 Series) | 530,088 | 529,959 | 530,088 | 530,088 | 735,088 | 743,938 |
| Bond & C.O.P. Administrative Fees | 11,000 | 8,533 | 12,000 | 8,674 | 12,000 | 12,000 |
| Debt Issuance Cost | - | 20,143 | - | - | - | - |
| Arbitrage | 5,000 | 1,900 | 5,000 | 1,550 | 5,000 | 5,000 |
| SUBTOTAL DEBT SERVICE EXPENDITURES | \$ 4,849,890 | \$ 4,852,413 | \$ 4,995,238 | \$ 6,208,972 | \$ 6,382,477 | \$ 6,190,733 |
| | | | | | | |
| | | | | | | |
| SUB-TOTAL ASSETS | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| GRAND TOTAL | \$ 4,849,890 | \$ 4,852,413 | \$ 4,995,238 | \$ 6,208,972 | \$ 6,382,477 | \$ 6,190,733 |

City of Sedona
Budget Summary by Department

| BUDGET BY PROGRAM | FY 2007-08 Actual | FY 2008-09 Budget | FY 2008-09 Estimate | FY 2009-10 Budget | Percent Over Last Year |
|-------------------------|----------------------|----------------------|------------------------|----------------------|---------------------------|
| Construction | \$ 4,876,965 | \$ 15,165,426 | \$ 8,786,910 | \$ 12,169,909 | |
| Total - WW Construction | \$ 4,876,965 | \$ 15,165,426 | \$ 8,786,910 | \$ 12,169,909 | -20% |

| BUDGET BY CATEGORIES OF EXPENDITURES | FY 2007-08 Actual | FY 2008-09 Budget | FY 2008-09 Estimate | FY 2009-10 Budget | Percent Over Last Year |
|---|----------------------|----------------------|------------------------|----------------------|---------------------------|
| Wages/Salaries/Benefits | \$ 448,124 | \$ 437,309 | \$ 443,241 | \$ 392,008 | |
| Administrative Cost | \$ 4,308,931 | \$ 14,509,617 | \$ 8,140,876 | \$ 11,777,901 | |
| Assets | \$ 119,910 | \$ 218,500 | \$ 202,793 | \$ - | |
| Total - WW Construction | \$ 4,876,965 | \$ 15,165,426 | \$ 8,786,910 | \$ 12,169,909 | -20% |

| STAFFING BY PROGRAM | FY 2007-08 | FY 2008-09 | FY 2008-09 | FY 2009-10 | Percent Over Last Year |
|-------------------------|------------|------------|------------|------------|---------------------------|
| Construction | 6.10 | 6.10 | 5.60 | 5.60 | |
| Total - WW Construction | 6.1 | 6.1 | 5.6 | 5.6 | -8% |

CITY OF SEDONA

EXPENDITURE ANALYSIS

| | BUDGETED | ACTUAL | BUDGETED | ACTUAL | BUDGETED | APPROVED |
|---------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Wastewater Construction | 2006-07 | 2006-07 | 2007-08 | 2007-08 | 2008-09 | 2009-2010 |
| Salary/Wages | 305,575 | 340,016 | 325,478 | 324,792 | 301,961 | 270,445 |
| Overtime | 8,301 | 1,228 | 8,831 | 1,713 | 14,312 | 11,909 |
| Direct Payroll Costs | 24,012 | 23,732 | 25,575 | 24,162 | 24,195 | 21,600 |
| Retirement | 28,363 | 28,855 | 31,640 | 30,126 | 29,500 | 26,667 |
| STD/LTD Insurance | 2,803 | 2,850 | 3,004 | 2,978 | 2,797 | 2,320 |
| Health/Dental/Life Insurance | 66,439 | 66,596 | 52,728 | 56,414 | 51,543 | 51,608 |
| Workers Compensation Insurance | 8,102 | 8,470 | 10,157 | 7,939 | 9,250 | 6,678 |
| Flex Leave Reimbursement | 4,428 | - | 4,717 | - | 3,751 | 0 |
| Employee Benefits | - | - | - | - | - | 780 |
| SUB-TOTAL SALARIES & WAGES | \$ 448,023 | \$ 471,747 | \$ 462,130 | \$ 448,124 | \$ 437,309 | \$ 392,008 |

| | | | | | | |
|-------------------------------------|----------------------|---------------------|----------------------|---------------------|----------------------|----------------------|
| Employee Exams | - | - | - | - | - | - |
| Uniform Allowance | 1,000 | 425 | 1,000 | 609 | 1,000 | 400 |
| Training/Staff Development | 2,800 | 257 | 5,535 | 3,883 | 5,535 | - |
| Professional Services | 13,000 | - | 13,000 | 829 | 45,000 | 10,000 |
| Advertising | - | - | - | - | - | - |
| Subscriptions/Dues/Licenses | 325 | - | 445 | 192 | 660 | - |
| Telephone | 1,900 | 1,498 | 1,618 | 1,310 | 1,300 | 1,300 |
| Office/Printing Supplies | 1,300 | 1,484 | 1,300 | 2,231 | 1,500 | 1,500 |
| Postage | 75 | 227 | 75 | - | 75 | 75 |
| Automobile Expense | 8,000 | 5,567 | 4,500 | 1,316 | 2,500 | 2,500 |
| Legal Fees | 30,000 | 8,610 | 5,000 | 12,849 | 5,000 | 5,000 |
| Recording Fees | 150 | 98 | 150 | 13 | 150 | 150 |
| Contingency | 2,401,000 | - | - | - | 50,000 | - |
| Rent | 6,000 | - | 6,000 | 6,000 | 6,000 | 6,000 |
| Utilities | - | - | - | 171 | - | - |
| Gasoline | - | 2,159 | 3,500 | 4,334 | 6,000 | 7,000 |
| Office Furniture - Non Capital | - | - | 1,500 | 1,484 | 1,500 | - |
| Office Equipment - Non Capital | - | - | - | 1,165 | - | - |
| Computer Software - Non Capital | - | 330 | - | - | - | - |
| Machinery & Equipment - Non Capital | - | - | - | - | - | - |
| Radio & Phone Equip - Non Capital | 840 | 230 | - | 128 | - | - |
| Safety Equipment | 1,200 | 1,168 | 2,700 | 2,304 | 2,700 | 2,700 |
| Special Supplies | - | - | 600 | 624 | 600 | 600 |
| Laterals | 40,000 | - | 40,000 | 3,140 | 15,000 | 15,000 |
| Plant Upgrade | 1,290,000 | 1,191,267 | 235,000 | 170,583 | 745,750 | 1,555,000 |
| Long Term Effluent | 302,000 | 190,687 | - | - | - | 679,000 |
| Pump Lift Station Improvements | 5,889,500 | 202,239 | 6,250,000 | 2,472,768 | 7,298,347 | 5,058,903 |
| Construction Mgmt | - | - | - | - | - | - |
| Phase 2 Design/Construction | - | - | 718,000 | 923,760 | 31,000 | 31,000 |
| Treatment Plant O & M | - | - | 355,000 | 52,261 | 655,000 | 300,000 |
| Collection System | 6,842,913 | 4,702,166 | 5,871,000 | 646,980 | 5,560,000 | 4,091,773 |
| Transfers | 2,500,000 | - | - | - | 75,000 | 10,000 |
| SUBTOTAL CONSTRUCTION | \$ 19,332,003 | \$ 6,308,411 | \$ 13,515,923 | \$ 4,308,931 | \$ 14,509,617 | \$ 11,777,901 |

| | | | | | | |
|---------------------------|----------------------|---------------------|----------------------|---------------------|----------------------|----------------------|
| Office Furniture | - | - | - | - | - | - |
| Office Equipment | - | - | - | - | - | - |
| Computer Hardware | 4,100 | - | 4,600 | 3,809 | - | - |
| Computer Software | - | - | - | - | - | - |
| Data | 95,750 | 95,750 | - | - | - | - |
| Machinery & Equipment | 25,000 | 31,098 | 50,600 | 35,449 | 130,500 | - |
| Radio/Telephone Equipment | - | - | - | - | - | - |
| Vehicles | 384,000 | 338,152 | 99,000 | 80,652 | 88,000 | - |
| Land Acquisition | 50,000 | 2,146 | - | - | - | - |
| | \$ 558,850 | \$ 467,146 | \$ 154,200 | \$ 119,910 | \$ 218,500 | \$ - |
| GRAND TOTAL | \$ 20,338,876 | \$ 7,247,305 | \$ 14,132,253 | \$ 4,876,965 | \$ 15,165,426 | \$ 12,169,909 |



**City of Sedona
Capital Worksheet
Fiscal Year 2009 - 2010**

| |
|--|
| Project Title: WWTP - Solids Handling Upgrades |
| 22 Capital Improvements Fund: 59-5252-00-946, PLANT UPGRADE - WW02O |
| Department: Wastewater Capital |
| Community Plan Element: 12.0 Community Facilities Goal 3.0: Provide for effective, safe, efficient, and economical wastewater disposal and water supply and distribution systems. 3.1: Continue to construct a wastewater treatment system and maximize the potential for reuse of effluent and aquifer recharge. |
| Capital Improvement Plan Program: Wastewater |
| Project Description: Improve and increase solids handling facilities by the following: Design and rebuild existing sludge drying beds Potentially build two additional sludge drying beds 30% design for new solar drying facility Environmental permitting |
| Requirement/Need for Project: Increased and improved solids handling capacity will provide cost savings and environmentally friendly options for solids management. Solids handling capability is a limitation to the plant capacity. Increased and improved capacity will allow continued operation during wet weather when the existing sludge drying beds are not effective, provide storage space during centrifuge down-time or backlog, and provide for economic and environmentally-friendly options for solids handling. Upgrading to solar drying facilities can potentially produce a Class A biosolid that can be land applied. |
| Consequence of Not Performing Project: Rising expenses for solids disposal. Potential non-compliance and/or environmental impacts due to restricted solids handling during wet weather or equipment failure. Inability to develop beneficial usage of biosolids (sludge). |
| Operation Impacts for Maintenance, Staffing, Etc.: No increase in maintenance or staffing. |

| Provides operational options during failures or bad weather. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------------|----------------------|----------------------|------------------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--------|--------|----------------|--------------------------|-------------|--------|--------|-------------|--------------------|--------------|--------|--------|--------------|---------------------------|-------------|--------|--------|--------|----------------------|-------------|--------|--------|-------------|------------------|--------|--------|--------|--------|-------------------------|--------|--------|--------|--------|--------------------|--------|--------|--------|--------|--------------------------|------------------------------|----------------------|----------------------|------------------------------|
| Related Projects: <i>no answer</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Possible Funding Source: <i>no answer</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proposed Expenditures: <table border="1"> <thead> <tr> <th></th> <th>FY 2009-2010</th> <th>FY 2010-2011</th> <th>FY 2011-2012</th> <th>FY 2013-2014</th> </tr> </thead> <tbody> <tr> <td>Construction</td> <td>\$850,000.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$3,500,000.00</td> </tr> <tr> <td>Construction Mgt.</td> <td>\$50,000.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$50,000.00</td> </tr> <tr> <td>Contingency</td> <td>\$500,000.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$100,000.00</td> </tr> <tr> <td>Design/Engineering</td> <td>\$75,000.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> </tr> <tr> <td>Environmental</td> <td>\$80,000.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$40,000.00</td> </tr> <tr> <td>Equipment</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> </tr> <tr> <td>Land Acquisition</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> </tr> <tr> <td>Maintenance</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> </tr> <tr> <td><u>FY Totals:</u></td> <td><u>\$1,555,000.00</u></td> <td><u>\$0.00</u></td> <td><u>\$0.00</u></td> <td><u>\$3,690,000.00</u></td> </tr> </tbody> </table> <p style="text-align: right;"><u>Expenditures Total: \$5,245,000.00</u></p> | | | | | | FY 2009-2010 | FY 2010-2011 | FY 2011-2012 | FY 2013-2014 | Construction | \$850,000.00 | \$0.00 | \$0.00 | \$3,500,000.00 | Construction Mgt. | \$50,000.00 | \$0.00 | \$0.00 | \$50,000.00 | Contingency | \$500,000.00 | \$0.00 | \$0.00 | \$100,000.00 | Design/Engineering | \$75,000.00 | \$0.00 | \$0.00 | \$0.00 | Environmental | \$80,000.00 | \$0.00 | \$0.00 | \$40,000.00 | Equipment | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Land Acquisition | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Maintenance | \$0.00 | \$0.00 | \$0.00 | \$0.00 | <u>FY Totals:</u> | <u>\$1,555,000.00</u> | <u>\$0.00</u> | <u>\$0.00</u> | <u>\$3,690,000.00</u> |
| | FY 2009-2010 | FY 2010-2011 | FY 2011-2012 | FY 2013-2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction | \$850,000.00 | \$0.00 | \$0.00 | \$3,500,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Mgt. | \$50,000.00 | \$0.00 | \$0.00 | \$50,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contingency | \$500,000.00 | \$0.00 | \$0.00 | \$100,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Design/Engineering | \$75,000.00 | \$0.00 | \$0.00 | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Environmental | \$80,000.00 | \$0.00 | \$0.00 | \$40,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment | \$0.00 | \$0.00 | \$0.00 | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Land Acquisition | \$0.00 | \$0.00 | \$0.00 | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maintenance | \$0.00 | \$0.00 | \$0.00 | \$0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>FY Totals:</u> | <u>\$1,555,000.00</u> | <u>\$0.00</u> | <u>\$0.00</u> | <u>\$3,690,000.00</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



**City of Sedona
Capital Worksheet
Fiscal Year 2009 - 2010**

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|--|
| Project Title: Wastewater Treatment Plant Upgrade |
| 22 Capital Improvements Fund: 59-5252-00-946, PLANT UPGRADE - WW020 |
| Department: Wastewater Capital |
| Community Plan Element: 12 Community Facilities |
| Capital Improvement Plan Program: Wastewater |
| Project Description: Upgrade treatment plant to be able to achieve Class A+ or better water, as needed for vadose or aquifer injection or other uses of the reclaimed water that may be developed by the Wastewater Effluent Disposal and Land Use Task Force (WEDLU). An alternate discharge than irrigation is needed to meet future disposal needs since the current irrigation lands will not accommodate all of the effluent at build-out of the plant. Costs listed under 2009/2010 'Maintenance' are for analytical tests to confirm present effluent characteristics. This budgetary projection assumes worst case where drinking water standards must be met for injection in an aquifer and is based on membrane filtration. |
| Requirement/Need for Project: A project is currently underway to determine if effluent recharge into either the vadose zone or into an aquifer is feasible. If this method of discharge is determined to be feasible, it might be necessary to upgrade the wastewater treatment facilities. The extent of upgrade will depend on the type and point of discharge. This cost is shown separately because upgrade of the level of treatment could be required to implement several effluent management approaches under consideration in FY 09/10. SEE ALSO WASTEWATER TREATMENT PLANT RECHARGE capital worksheet |
| Consequence of Not Performing Project: Inability to increase sewerage of the City due to effluent disposal requirements. (see Recharge Project capital sheet) Increasing investment in maintaining the irrigation system. |
| Operation Impacts for Maintenance, Staffing, Etc.: Slight increase in operating responsibilities. This will be partially offset by elimination of the irrigation system. |
| Related Projects: <i>no answer</i> |

Possible Funding Source:

Sales tax
Capacity fee
Congressional appropriation

Proposed Expenditures:

| | FY 2009-2010 | FY 2010-2011 | FY 2011-2012 | FY 2013-2014 |
|---------------------------|---------------------------|----------------------------|------------------------------|----------------------|
| Construction | \$0.00 | \$0.00 | \$5,000,000.00 | \$0.00 |
| Construction Mgt. | \$0.00 | \$0.00 | \$100,000.00 | \$0.00 |
| Contingency | \$5,000.00 | \$50,000.00 | \$100,000.00 | \$0.00 |
| Design/Engineering | \$0.00 | \$400,000.00 | \$0.00 | \$0.00 |
| Environmental | \$0.00 | \$30,000.00 | \$0.00 | \$0.00 |
| Equipment | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Land Acquisition | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Maintenance | \$20,000.00 | \$0.00 | \$0.00 | \$0.00 |
| <u>FY Totals:</u> | <u>\$25,000.00</u> | <u>\$480,000.00</u> | <u>\$5,200,000.00</u> | <u>\$0.00</u> |

Expenditures Total: \$5,705,000.00



**City of Sedona
Capital Worksheet
Fiscal Year 2009 - 2010**

| |
|---|
| Project Title: Wastewater Treatment Plant Recharge Project |
| 22 Capital Improvements Fund: 59-5252-00-956, COLLECTION SYSTEM |
| Department: Public Works |
| Community Plan Element: Community Facilities 3.1 |
| Capital Improvement Plan Program: Wastewater |
| Project Description: <p>This project would allow the City to dispose of one to two million gallons per day of treated wastewater by recharging the Verde River Aquifer. The recharge will add water to the Verde River Basin in a manner that will allow for its reuse over time by properties developing within the Verde River Basin. This project would reduce the area used for the current method used to dispose of treated wastewater by spray irrigation from approximately 300 acres to about 50 acres. To do this, the City will need to treat its water to appropriate quality for recharge, pipe the water to the Verde River Basin, and pump the water into the underground aquifer on property it will need to purchase as a recharge station site. As the water is pumped into the ground, the City expects to receive water credit allocations from the Arizona Department of Water Resources for a percentage of the water being placed into storage.</p> <p>FY 09/10 Notes</p> <p>Anticipated expenditure in FY 08/09 is \$60,000. ALSO REFER TO WASTEWATER TREATMENT PLANT UPGRADE CAPITAL WORK SHEET. The work there may be necessary if the treatment process must be upgraded to Class A+ or better treatment level, in order to pursue effluent injection.</p> |
| Requirement/Need for Project: <p>The City's Wastewater Treatment Plant is approaching treatment capacity – meaning that after about 2,500 new connections, the current treatment plant will not be able to handle any more inflow of sewer water from the community. Recharge (more treatment of the effluent) would provide more capacity for inflow and lengthen the life of the existing treatment plant. Increasing capacity at the plant also reduces the risk of overflow or plant failure. If no new mechanism for disposing of effluent is found, the other option is to expand the plant, a very expensive venture with far less tangential benefit than recharge.</p> <p>Finding a way to dispose of treated wastewater on a permanent basis, other than by spray irrigation, will free up land at the Wastewater Reclamation Plant for other, as yet undetermined, uses.</p> |
| Consequence of Not Performing Project: <ol style="list-style-type: none">1. The Wastewater plant may not be able to safely manage 2.0 million gallons of inflowing wastewater.2. A potential revenue source may be lost.3. Alternate uses of the City land may not be realized. |
| Operation Impacts for Maintenance, Staffing, Etc.: |

City staff will need to maintain the recharge piping, pumps, and recharge area. Also, there will be a need to track the credits generated and their use. This may require additional staff in the Wastewater Division and Finance Department. At the very minimum, the existing staff will have significant new duties that will stretch them. At this point, anticipate one additional staff member at the Wastewater Treatment Plant as a Plant Operator.

Related Projects:

no answer

Possible Funding Source:

1/2 sales tax

Partnership with those purchasing water rights

Proposed Expenditures:

| | FY 2009-2010 | FY 2010-2011 | FY 2011-2012 | FY 2012-2013 |
|---------------------------|----------------------------|----------------------------|------------------------------|------------------------------|
| Construction | \$0.00 | \$0.00 | \$0.00 | \$1,800,000.00 |
| Construction Mgt. | \$0.00 | \$0.00 | \$0.00 | \$125,000.00 |
| Contingency | \$0.00 | \$25,000.00 | \$50,000.00 | \$0.00 |
| Design/Engineering | \$654,000.00 | \$225,000.00 | \$650,000.00 | \$0.00 |
| Environmental | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Equipment | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Land Acquisition | \$0.00 | \$0.00 | \$525,000.00 | \$0.00 |
| Maintenance | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| <u>FY Totals:</u> | <u>\$654,000.00</u> | <u>\$250,000.00</u> | <u>\$1,225,000.00</u> | <u>\$1,925,000.00</u> |

Expenditures Total: \$4,054,000.00



**City of Sedona
Capital Worksheet
Fiscal Year 2009 - 2010**

| |
|---|
| Project Title: Major Pump Station Improvements |
| 22 Capital Improvements Fund: 59-5252-00-952, PUMP LIFT STATION IMPROVEMENTS |
| Department: Wastewater Capital |
| Community Plan Element: Community Facilities 3.1 |
| Capital Improvement Plan Program: Wastewater |
| Project Description: <p>Design and construct improvements to the three major sewer pump stations (Brewer, Carroll Canyon and El Camino). At each station, these improvements include construction of a bypass with wet well, replacing the existing pumps and drive controls, and various operational and safety improvements. This will be accomplished through a Construction Manager @ Risk (CMAR) process. This process started in FY 2005/2006 with a construction design/management oversight contract with Stanley Consultants. In FY 2006/2007, the process continued when it was identified that the pump and pump control upgrades were an urgent requirement. In FY 2006/2007, the City entered into an agreement with a CMAR for design phase services. Construction began on 07/24/2007 and is continuing. As of 01/2008, we expect to have at least five Guaranteed Maximum Price (GMP) contracts under the CMAR process. The CMAR is executing the first two GMP contracts, and we are negotiating the final costs for the third GMP and have started working on the fourth. We expect construction to be completed by the spring of 2009.</p> |
| Requirement/Need for Project: <p>The pump stations have not been improved since their construction. The pumps and controls are failing at an increasing rate, with parts becoming difficult, if not impossible, to obtain. These stations have been operating continuously since having been placed into service in 1992. The lack of bypass capability, coupled with near-capacity flows into the stations, has resulted in a situation where the wastewater staff does not have the opportunity to take the wet wells and other essential equipment out of service to perform inspections, maintenance and repairs. As the stations age, the probability of catastrophic failure of components of these stations also increases. There is a high probability that such failures will result in non-compliance with State and Federal standards, and subject the City to fines and penalties.</p> |
| Consequence of Not Performing Project: <p>Inadequately and poorly maintained pump station facilities and equipment may fail resulting in spills and non-compliance with State and Federal standards, subjecting the City to fines and penalties, and additional costs to provide an alternate means for collecting and removing the wastewater.</p> |

Operation Impacts for Maintenance, Staffing, Etc.:

Under the current situation, the amount of time required to maintain and repair the existing obsolete equipment and facilities is steadily increasing. These pump stations are perceived as ticking time bombs that multiply the stress levels experienced by the Wastewater staff and diminish their job morale.

Related Projects:

no answer

Possible Funding Source:

\$.005 sales tax

Proposed Expenditures:

| | FY 2009-2010 | FY 2010-2011 | FY 2011-2012 |
|---------------------------|------------------------------|----------------------|----------------------|
| Construction | \$4,776,723.00 | \$0.00 | \$0.00 |
| Construction Mgt. | \$0.00 | \$0.00 | \$0.00 |
| Contingency | \$0.00 | \$0.00 | \$0.00 |
| Design/Engineering | \$282,180.00 | \$0.00 | \$0.00 |
| Environmental | \$0.00 | \$0.00 | \$0.00 |
| Equipment | \$0.00 | \$0.00 | \$0.00 |
| Land Acquisition | \$0.00 | \$0.00 | \$0.00 |
| Maintenance | \$0.00 | \$0.00 | \$0.00 |
| <u>FY Totals:</u> | <u>\$5,058,903.00</u> | <u>\$0.00</u> | <u>\$0.00</u> |

Expenditures Total: \$5,058,903.00



**City of Sedona
Capital Worksheet
Fiscal Year 2009 - 2010**

| |
|---|
| Project Title: WWTP - Berm Maintenance |
| 22 Capital Improvements Fund: 59-5252-00-955, TREATMENT PLANT O&M |
| Department: Wastewater Capital |
| Community Plan Element: 12 Community Facilities |
| Capital Improvement Plan Program: <i>no answer</i> |
| Project Description: <p>In 2007/2008, a project was approved to investigate potential cracks in the surface impoundment berms and develop a plan to remove trees, roots and other excessive growth on reservoir berms. The consultant URS Corporation completed the investigation, including geological and soil testing, developed the approach and scope of work for the repairs and submitted the subsequent report to The Arizona Department of Water Resources (ADWR) for approval. ADWR approval was received in February 2008. A bid package will be prepared, and construction/renovation work are expected to begin in spring of 2009 and be completed in FY 2008/2009. A contingency is included in case the work is not completed as scheduled.</p> <p>The structural integrity of the dams was confirmed during the investigation, and major reconstruction work is not anticipated at this time.</p> <p>Additional berm work is required to for the Area 3 irrigation berm to prevent run-off of irrigated effluent.</p> |
| Requirement/Need for Project: <p>This work is required by Arizona Department of Water Resources in inspection reports dated July 3, 2002 and July 3, 2007. The 2007 letter extended the deadline for the work from 2007 to 2012. However, the work should not be delayed for that long due to the potential damage to the dams from root intrusion.</p> |
| Consequence of Not Performing Project: Non-compliance with regulatory requirements. Fines and penalties. |
| Operation Impacts for Maintenance, Staffing, Etc.: <p>On-going berm maintenance will increase to remain in compliance and ensure the berms will not fall into disrepair again. On-going maintenance costs are for equipment rental and overtime man-hours, assuming the Decision package for a part-time utility man is not approved.</p> |
| Related Projects: <i>no answer</i> |

| | | | | |
|--|----------------------------|----------------------|----------------------|----------------------|
| Possible Funding Source: | | | | |
| Wastewater | | | | |
| Proposed Expenditures: | | | | |
| | FY 2009-2010 | FY 2010-2011 | FY 2011-2012 | FY 2012-2013 |
| Construction | \$200,000.00 | \$0.00 | \$0.00 | \$0.00 |
| Construction Mgt. | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Contingency | \$100,000.00 | \$0.00 | \$0.00 | \$0.00 |
| Design/Engineering | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Equipment | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Land Acquisition | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Maintenance | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| <u>FY Totals:</u> | <u>\$300,000.00</u> | <u>\$0.00</u> | <u>\$0.00</u> | <u>\$0.00</u> |
| <u>Expenditures Total: \$300,000.00</u> | | | | |



**City of Sedona
Capital Worksheet
Fiscal Year 2009 - 2010**

| |
|---|
| Project Title: Chapel Area 1A Sewer Collection System Project |
| 22 Capital Improvements Fund: 59-5252-00-956, COLLECTION SYSTEM |
| Department: Wastewater Capital |
| Community Plan Element: Community Facilities 3.1 |
| Capital Improvement Plan Program: Wastewater |
| Project Description: Project was designed in FY 2006/2007 and 2007/2008. Construction began in 2008/2009 and is expected to be complete in early 2009/2010 if not before. Install sewer mains in Vista Bonita Drive, Meadowlark Drive, thence west to SR 179, extend across to Skyline Drive, provide connection to existing system in Indian Cliffs Drive, hence to Chapel Lift Station; and upgrade lift Station. Upgrade lift station located in Indian Cliff subdivision at the end of Talia Court. |
| Requirement/Need for Project: Install sewer improvements in this area in conjunction with Storm Drainage Improvements on Vista Bonita and extend sewer line across State Route 179 to Skyline Drive. The goal of the Wastewater Master Plan is to connect as much of the Sedona Area as possible to the Municipal Wastewater Treatment Facility. The installation of the storm drainage and sewer line as part of the same project minimizes construction disruption of area. |
| Consequence of Not Performing Project: The City will incur added costs to add sewer after storm drainage project is completed. New development on the west side of SR 179 would not be connected to the sewage collection system. A portion of the City would remain unconnected to the wastewater collection and treatment system. |
| Operation Impacts for Maintenance, Staffing, Etc.: Increased maintenance and operations costs for the sanitary sewer collection system and increase of treated wastes. |
| Related Projects: Chapel Area IA - Storm Drainage Improvement (Vista Bonita), Chapel Area Sewer Improvements, Chapel Area Storm Drainage Improvements |
| Possible Funding Source: \$.005 sales tax |

Proposed Expenditures:

| | FY 2009-2010 | FY 2010-2011 | FY 2011-2012 |
|---------------------------|---------------------------|----------------------|----------------------|
| Construction | \$38,350.00 | \$0.00 | \$0.00 |
| Construction Mgt. | \$0.00 | \$0.00 | \$0.00 |
| Contingency | \$0.00 | \$0.00 | \$0.00 |
| Design/Engineering | \$0.00 | \$0.00 | \$0.00 |
| Environmental | \$0.00 | \$0.00 | \$0.00 |
| Equipment | \$0.00 | \$0.00 | \$0.00 |
| Land Acquisition | \$0.00 | \$0.00 | \$0.00 |
| Maintenance | \$0.00 | \$0.00 | \$0.00 |
| <u>FY Totals:</u> | <u>\$38,350.00</u> | <u>\$0.00</u> | <u>\$0.00</u> |

Expenditures Total: \$38,350.00



**City of Sedona
Capital Worksheet
Fiscal Year 2009 - 2010**

| |
|--|
| Project Title: Chapel Area Sewer Improvements |
| 22 Capital Improvements Fund: 59-5252-00-956, COLLECTION SYSTEM |
| Department: Wastewater Capital |
| Community Plan Element: Community Facilities 3.1 |
| Capital Improvement Plan Program: Wastewater and Streets |
| Project Description: Installation of sewer mains and associated manholes and sewer connections in the Chapel Area in 2007 through 2009. Approximately 25,000 feet of sewer mains and 366 sewer service connections. The work will be done concurrently with storm drainage improvements along Antelope Drive and other areas where the sewer line will be installed (to prevent disturbing the area a second time to install the storm drainage) (related project). Additional fire hydrants (related project) will be installed during the construction. After sewer, water and storm drain work has been accomplished in each area, the roads will be milled, shaped, and compacted and an asphalt cement concrete overlay applied. The design for the storm drainage improvements, sewer mains and road work has essentially been done. The project was designed in four areas, Areas 1B and 2 is anticipated to start in late 2007/2008 and continue into 2008/2009, and Areas 3 and 4 should start in mid- to late 2008/2009 and continue into 2009/2010. Area 1A sewer and storm drainage project are scheduled for FY 2007/2008 and 2008/2009 as part of the construction contract but funded separately. Construction management will be accomplished in-house. Update record drawings after construction completed. |
| Requirement/Need for Project: The goal of the Wastewater Master Plan is to connect as much of the Sedona area as possible to the Municipal Wastewater Treatment Facility. |
| Consequence of Not Performing Project: A portion of the City would remain unconnected |
| Operation Impacts for Maintenance, Staffing, Etc.: Increased costs for maintenance and operation of more extensive sewer collection system and more treated wastes. |
| Related Projects: Chapel Area 1A Sewer Collection System Project, Chapel Area 1A - Storm Drainage Improvement (Vista Bonita), Chapel Area Storm Drainage Improvements |
| Possible Funding Source: Excise Tax Obligations (\$7,405,000 earmarked) |

Proposed Expenditures:

| | FY 2009-2010 | FY 2010-2011 | FY 2011-2012 |
|---------------------------|------------------------------|----------------------|----------------------|
| Construction | \$3,558,423.00 | \$0.00 | \$0.00 |
| Construction Mgt. | \$5,000.00 | \$0.00 | \$0.00 |
| Contingency | \$50,000.00 | \$0.00 | \$0.00 |
| Design/Engineering | \$0.00 | \$0.00 | \$0.00 |
| Environmental | \$0.00 | \$0.00 | \$0.00 |
| Equipment | \$0.00 | \$0.00 | \$0.00 |
| Land Acquisition | \$0.00 | \$0.00 | \$0.00 |
| Maintenance | \$0.00 | \$0.00 | \$0.00 |
| <u>FY Totals:</u> | <u>\$3,613,423.00</u> | <u>\$0.00</u> | <u>\$0.00</u> |

Expenditures Total: \$3,613,423.00



**City of Sedona
Capital Worksheet
Fiscal Year 2009 - 2010**

| |
|--|
| Project Title: WWTP - Northview Pump Station Abandonment |
| 22 Capital Improvements Fund: 59-5252-00-956, COLLECTION SYSTEM |
| Department: Wastewater Capital |
| Community Plan Element: Community Plan Element 12 |
| Capital Improvement Plan Program: <i>no answer</i> |
| Project Description: Abandon Northview Pump Station and convert to gravity flow with new sewer lines as needed, or upgrade pump station. Option is dependent on acquisition of easement. |
| Requirement/Need for Project: Aging piping makes this area a high-risk area for sewer line blockage and spills. A gravity sewer line is preferable to a pumped system because of the reduction in long term energy and maintenance costs for the collection system. If an easement cannot be obtained for reconstruction, the pump station should be upgraded. This project was delayed from 2007/2008 due to lack of in-house personnel availability for design work. The project is re-scoped for contract design. FY 2009/10 Design began on this project in 2008/09. Due to budget concerns work on this project was limited to design in FY 08/09. Construction is reprogrammed to FY 09/10. The projection reflects \$15000 for conceptual engineering work, \$85000 design work, and construction cost in the amount of \$400,000. |
| Consequence of Not Performing Project: Continued maintenance of the pump station. Continuing high risk of blockage, leaks, and spills. |
| Operation Impacts for Maintenance, Staffing, Etc.: Reduced maintenance and operating costs. |
| Related Projects: <i>no answer</i> |
| Possible Funding Source: <i>no answer</i> |

Proposed Expenditures:

| | FY 2009-2010 | FY 2010-2011 |
|---------------------------|----------------------------|----------------------|
| Construction | \$400,000.00 | \$0.00 |
| Construction Mgt. | \$0.00 | \$0.00 |
| Contingency | \$0.00 | \$0.00 |
| Design/Engineering | \$40,000.00 | \$0.00 |
| Environmental | \$0.00 | \$0.00 |
| Equipment | \$0.00 | \$0.00 |
| Land Acquisition | \$0.00 | \$0.00 |
| Maintenance | \$0.00 | \$0.00 |
| <u>FY Totals:</u> | <u>\$440,000.00</u> | <u>\$0.00</u> |

Expenditures Total: \$440,000.00